

SONIC LOG

Company	DOWNING-NELSON OIL CO., INC.	Company	DOWNING-NELSON OIL CO., INC.
Well	RUPP #2-15	Well	RUPP #2-15
Field	WILDCAT	Field	WILDCAT
County	TREGO	County	TREGO
State	KANSAS	State	KANSAS
Location:	API # : 15-195-23038-00-00 1070 FNL & 1865 FWL	Other Services SONIC CDL/CNL/DIL	
Permanent Datum	SEC 15 TWP 13S RGE 21W	Elevation	
Log Measured From	GROUND LEVEL	Elevation	2186'
Drilling Measured From	KELLY BUSHING 8' A.G.L. KELLY BUSHING	K.B. 2194 D.F. 2192 G.L. 2186	
Date	02/01/18		
Run Number	TWO		
Depth Driller	3982		
Depth Logger	3984		
Bottom Logged Interval	3975		
Top Log Interval	00		
Casing Driller	8 5/8@ 222		
Casing Logger	222		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6500 PPM	
Density / Viscosity	9.1/56		
pH / Fluid Loss	10.0/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.90@56		
Rmt @ Meas. Temp	.66@56		
Rmc @ Meas. Temp	1.08@56		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.43@115		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	115F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	MARC DOWNING		

<<< Fold Here >>>

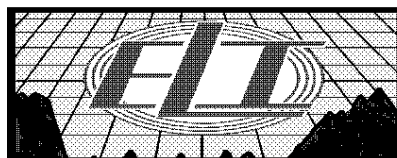
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

DIRECTIONS

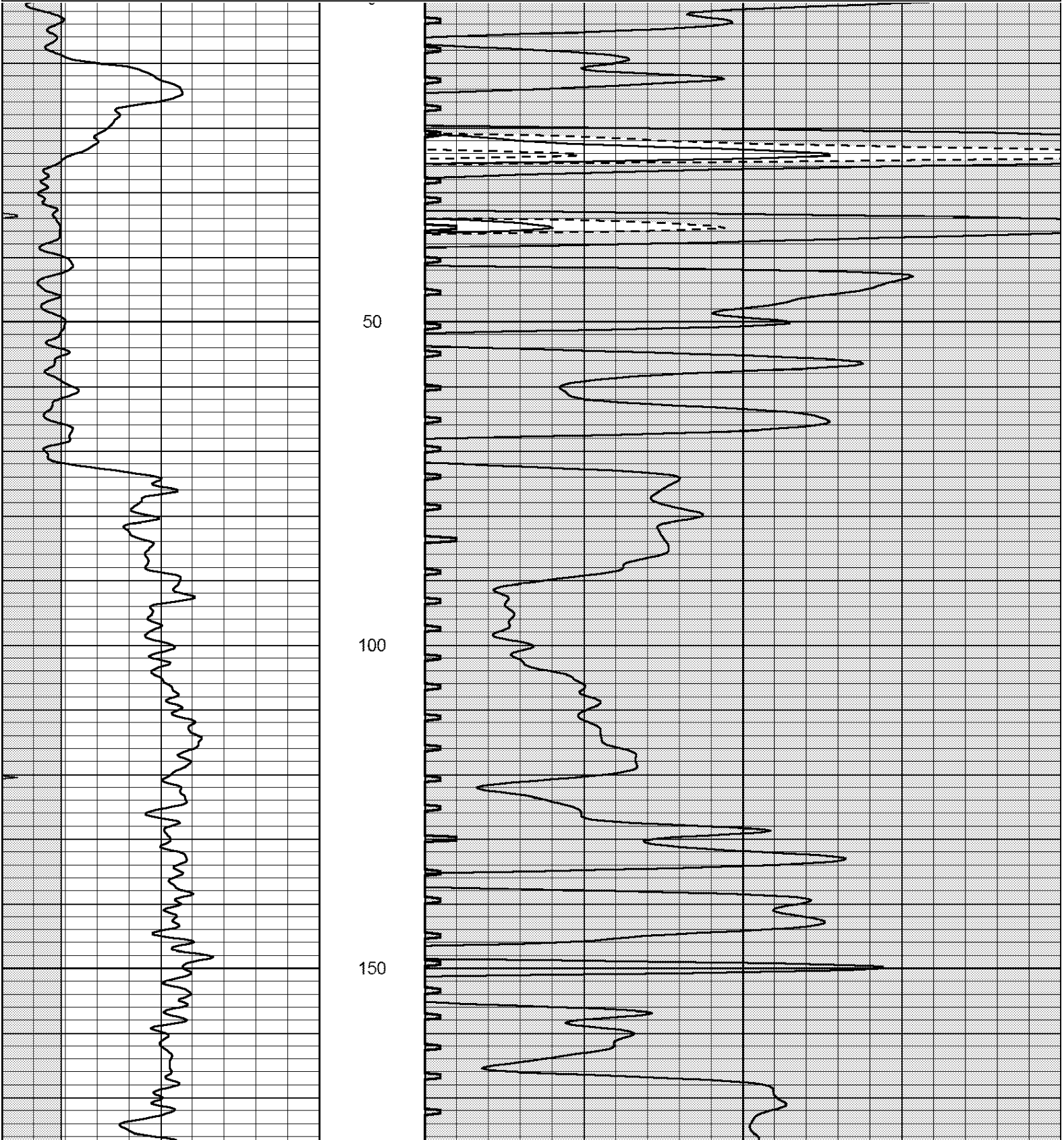
I 70 RIGGA EXIT TO OLD 40, 1 MILE EAST, 1 MILE SOUTH,
3/4 WEST, SOUTH INTO.

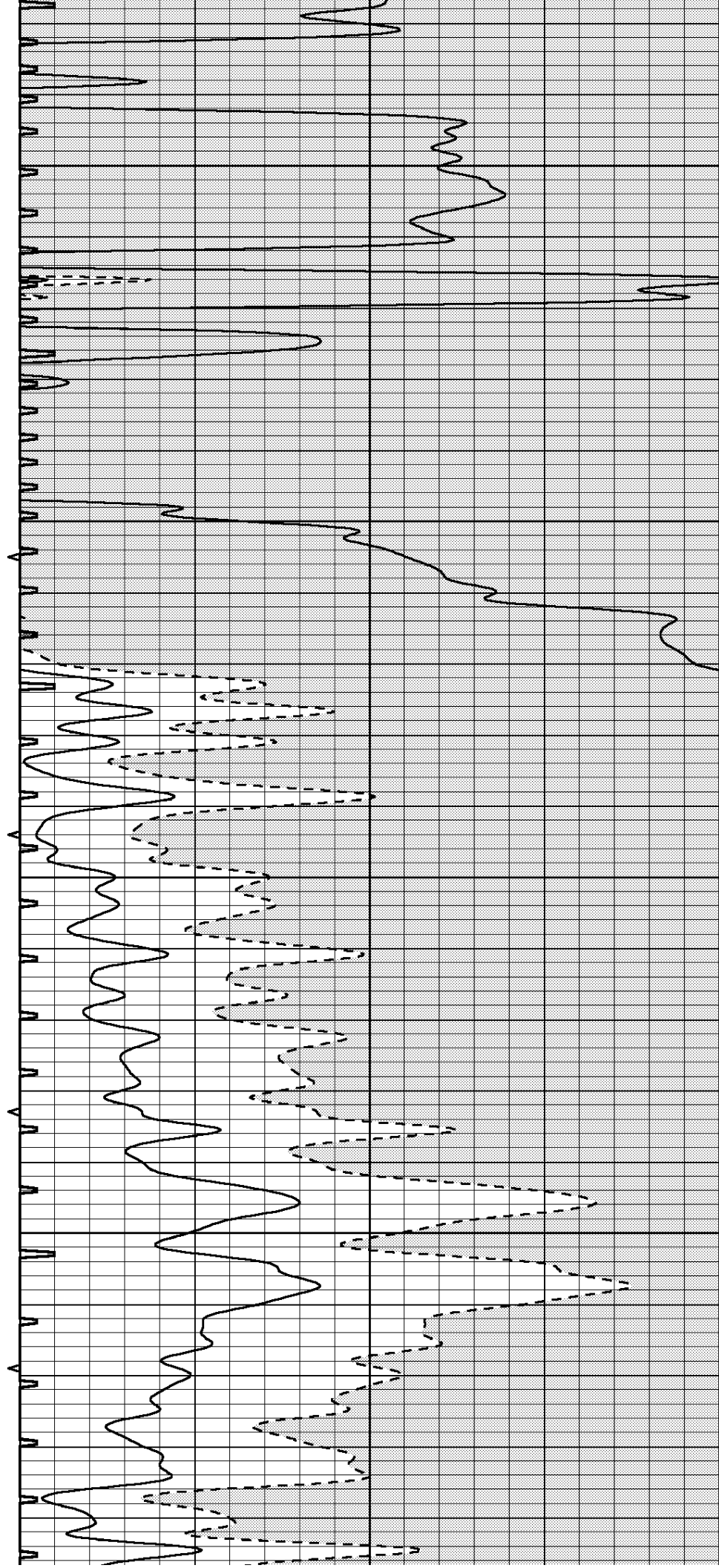
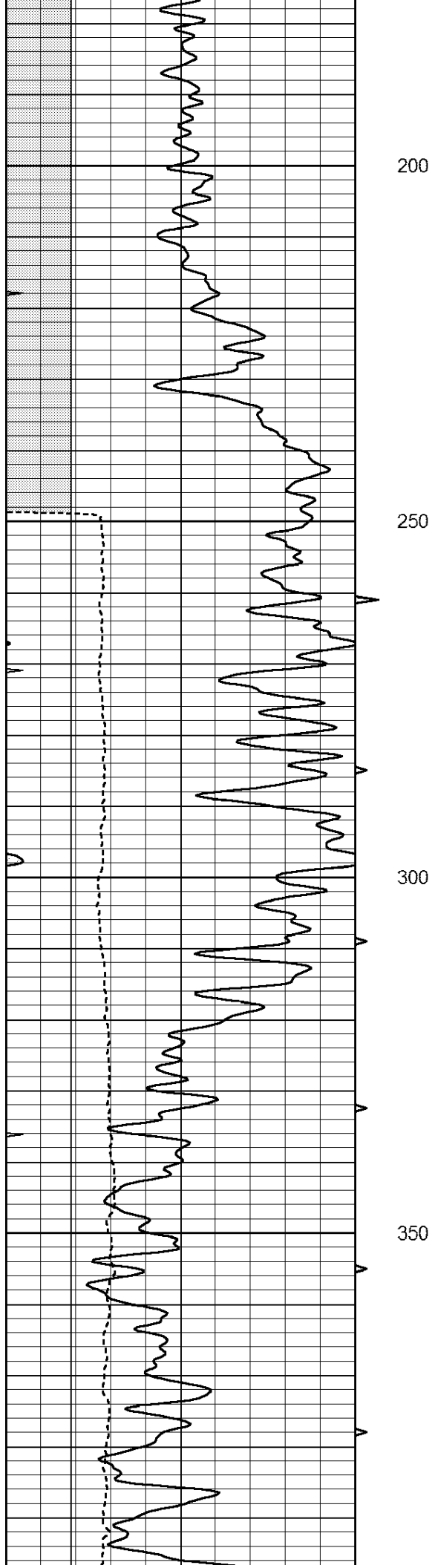


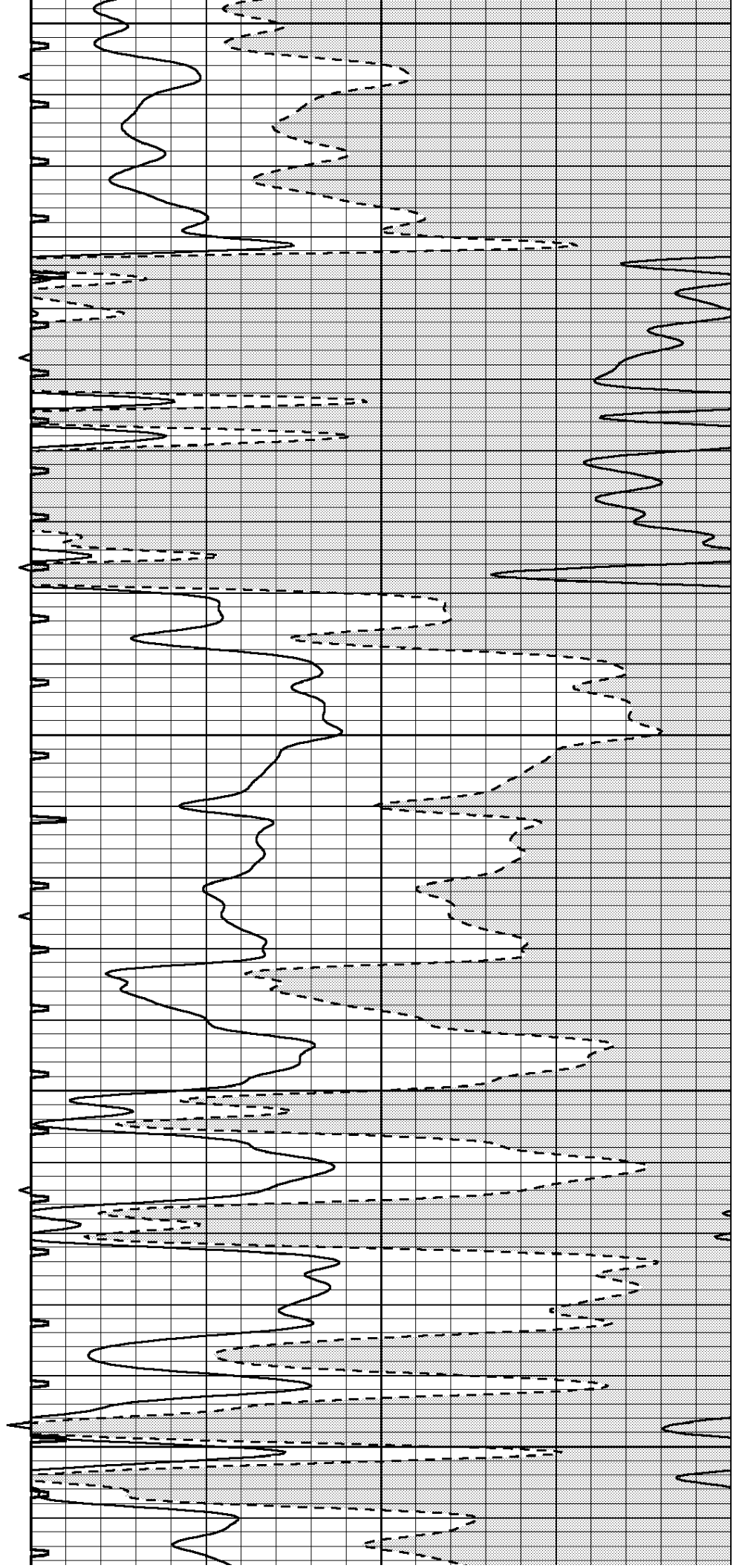
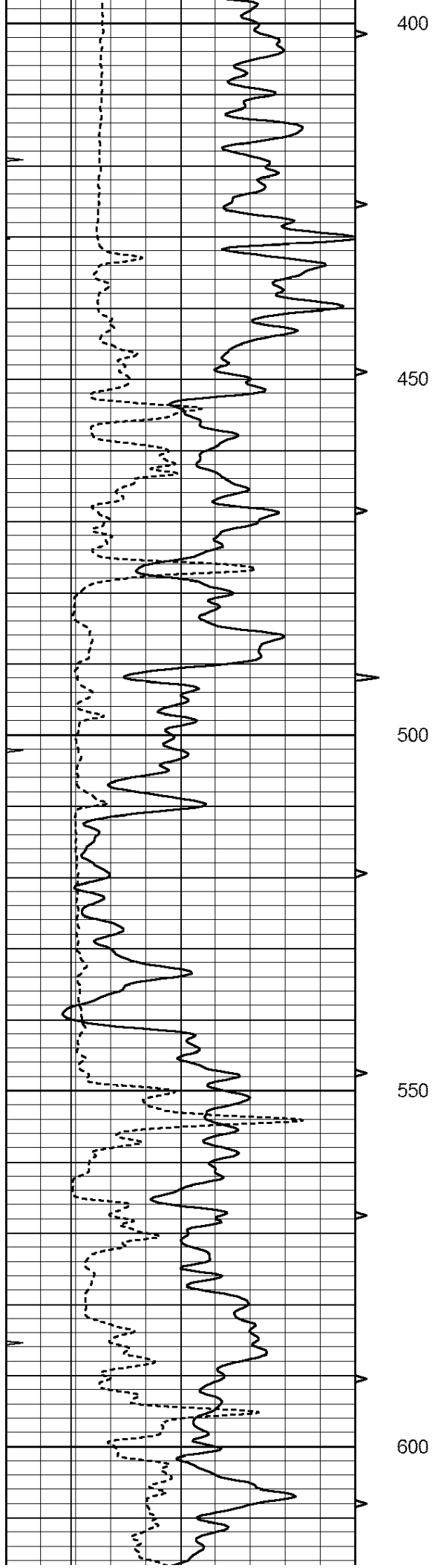
MAIN PASS

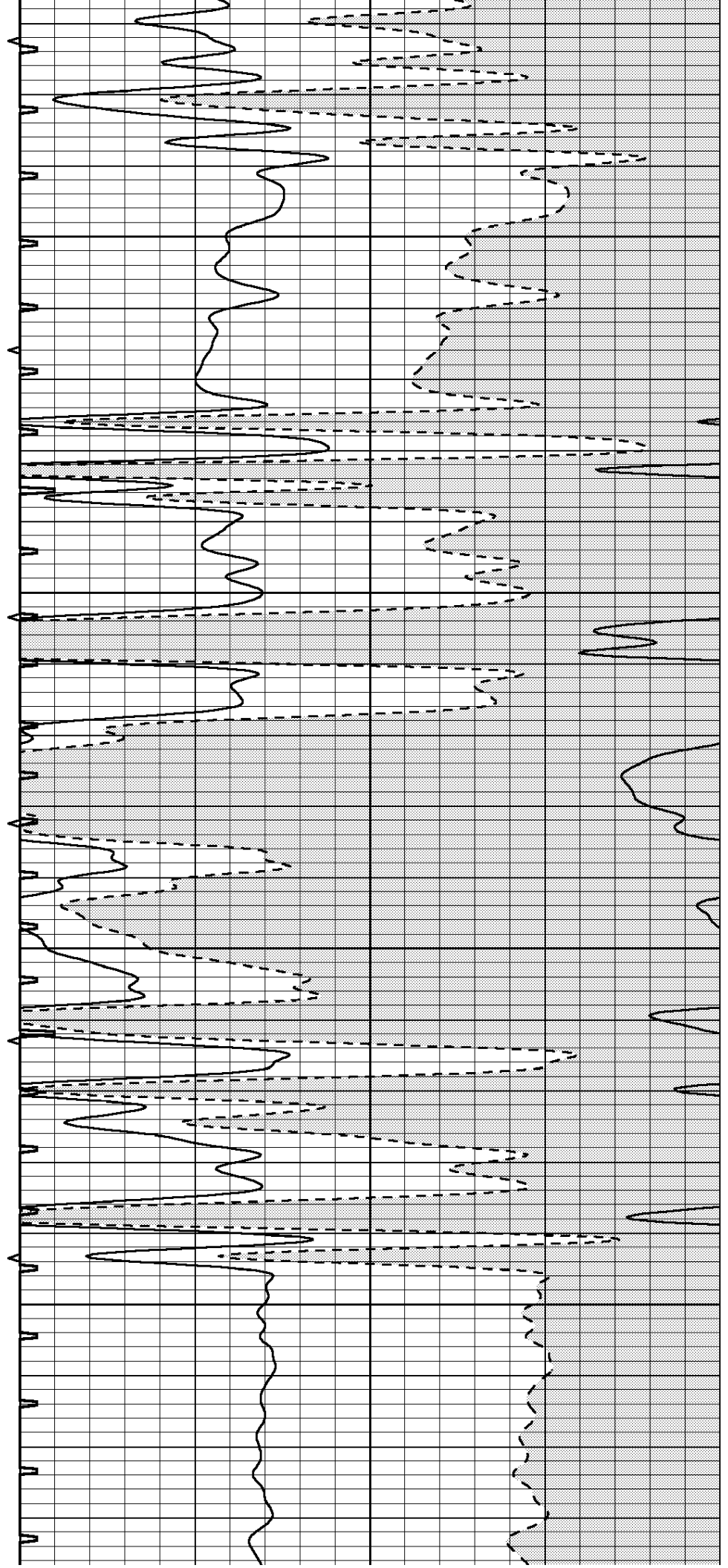
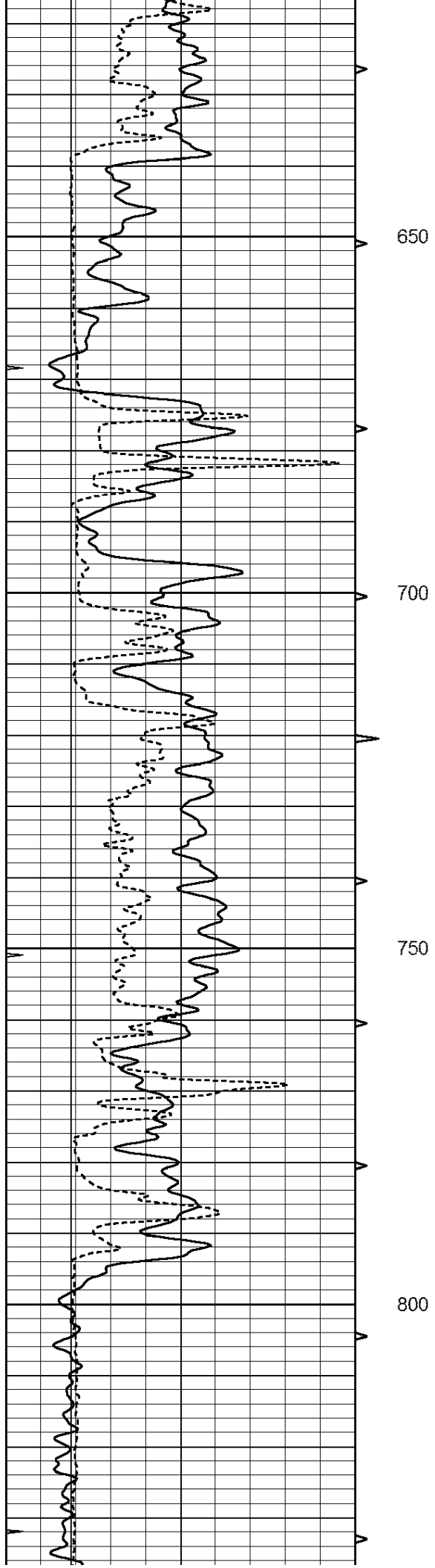
Database File: 2404ddn.db
Dataset Pathname: pass6.1
Presentation Format: _slt
Dataset Creation: Thu Feb 01 09:18:10 2018 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

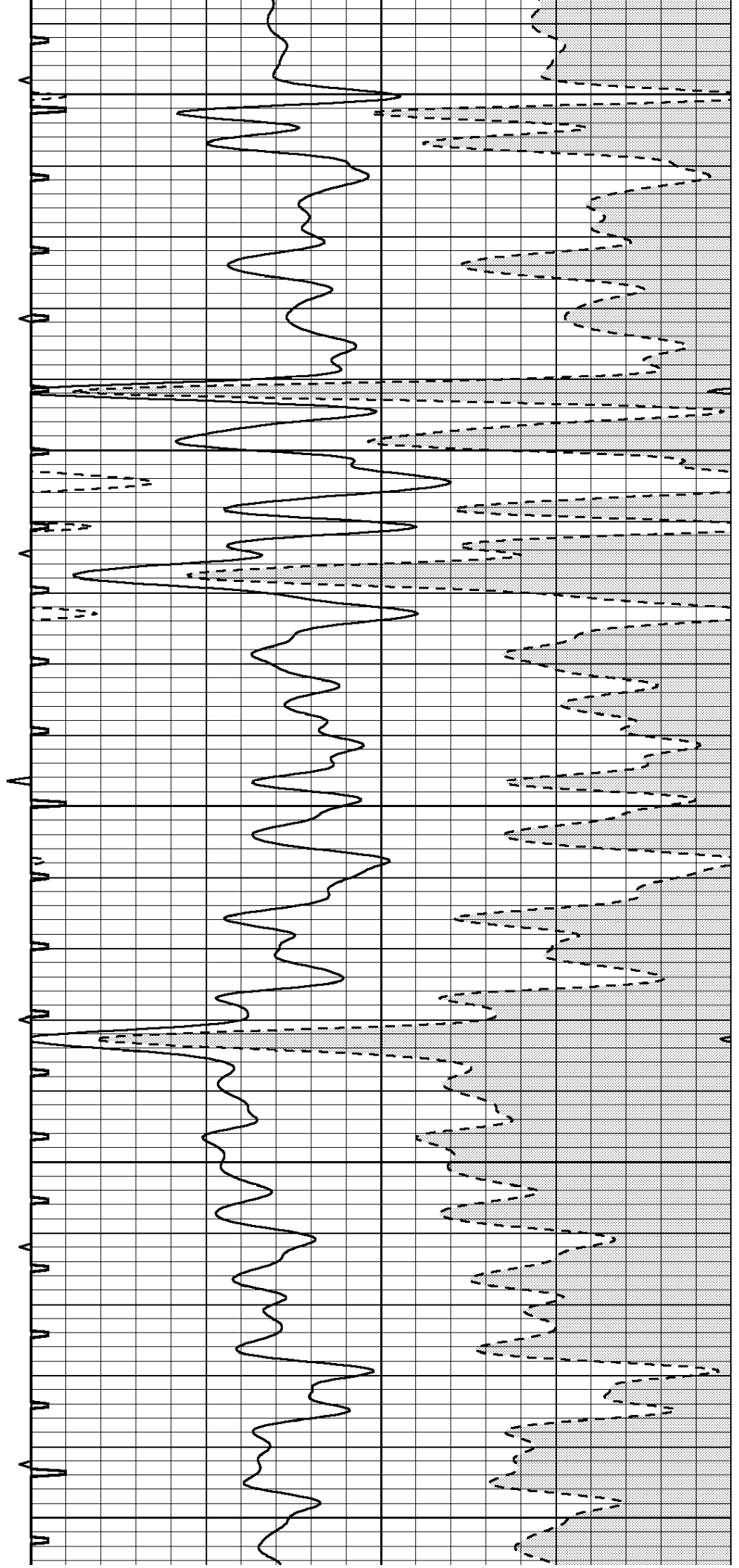
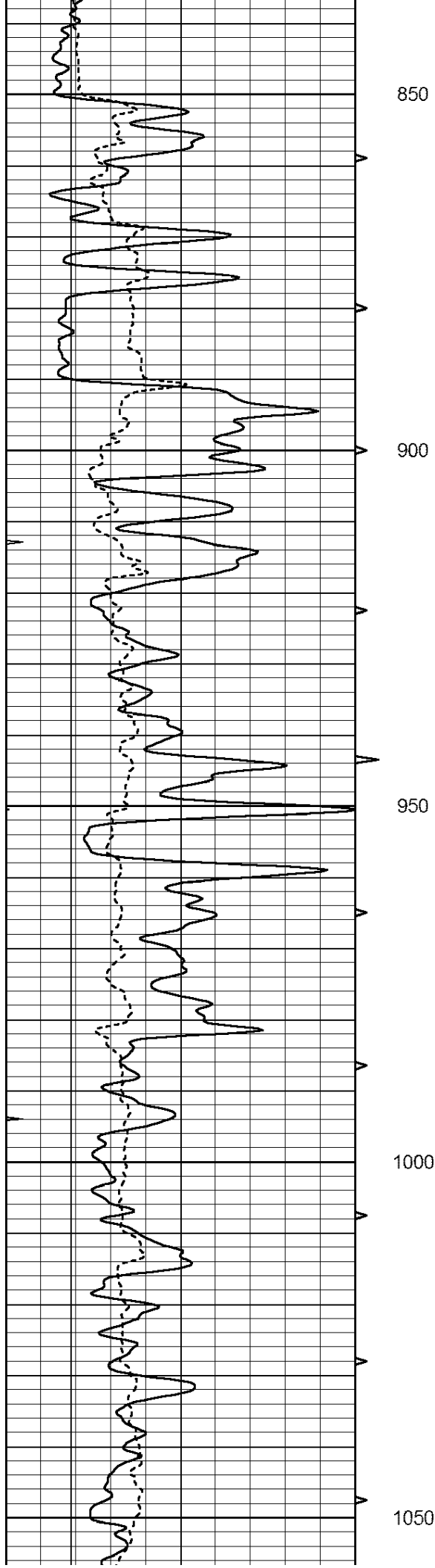
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			

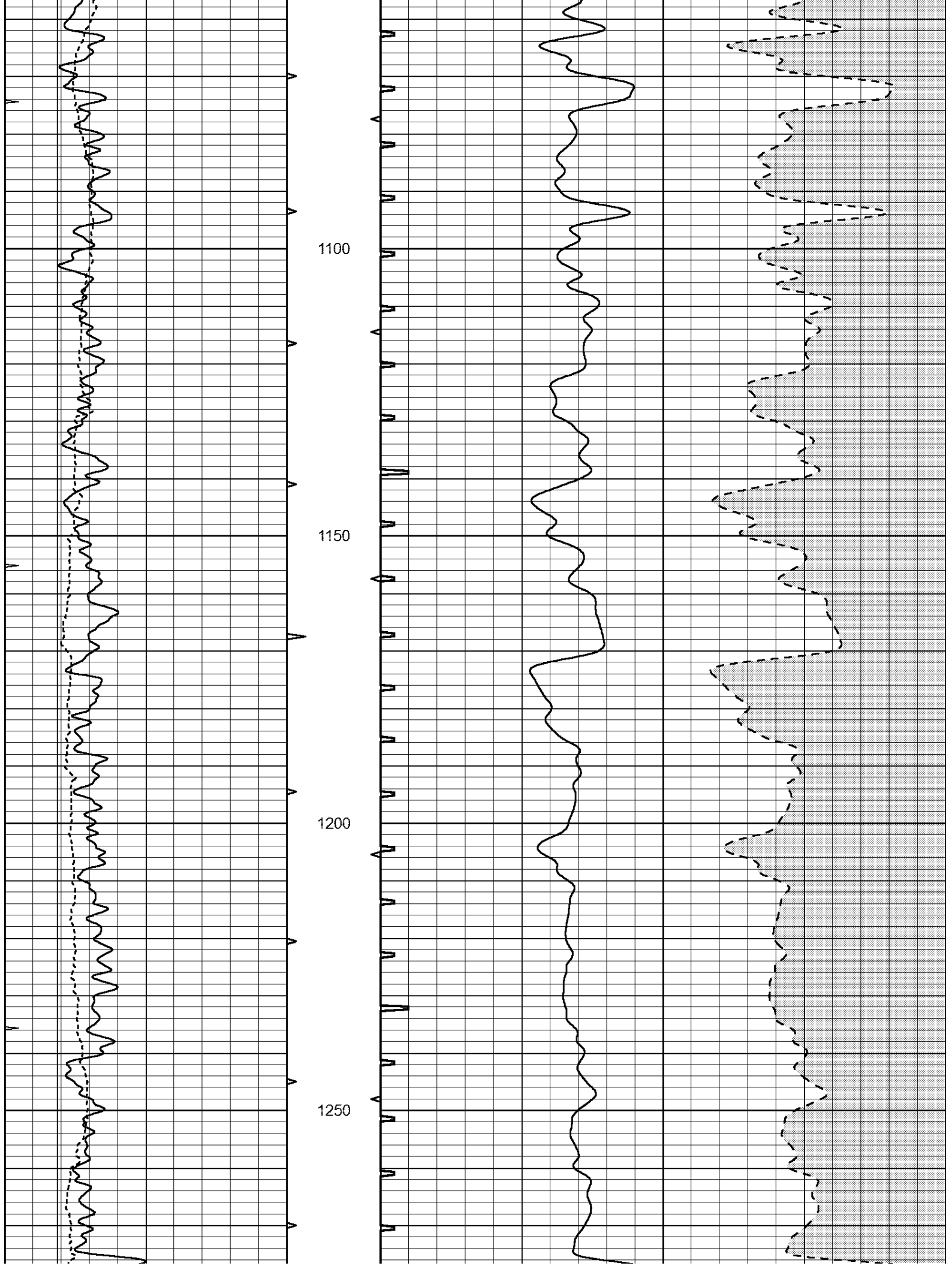


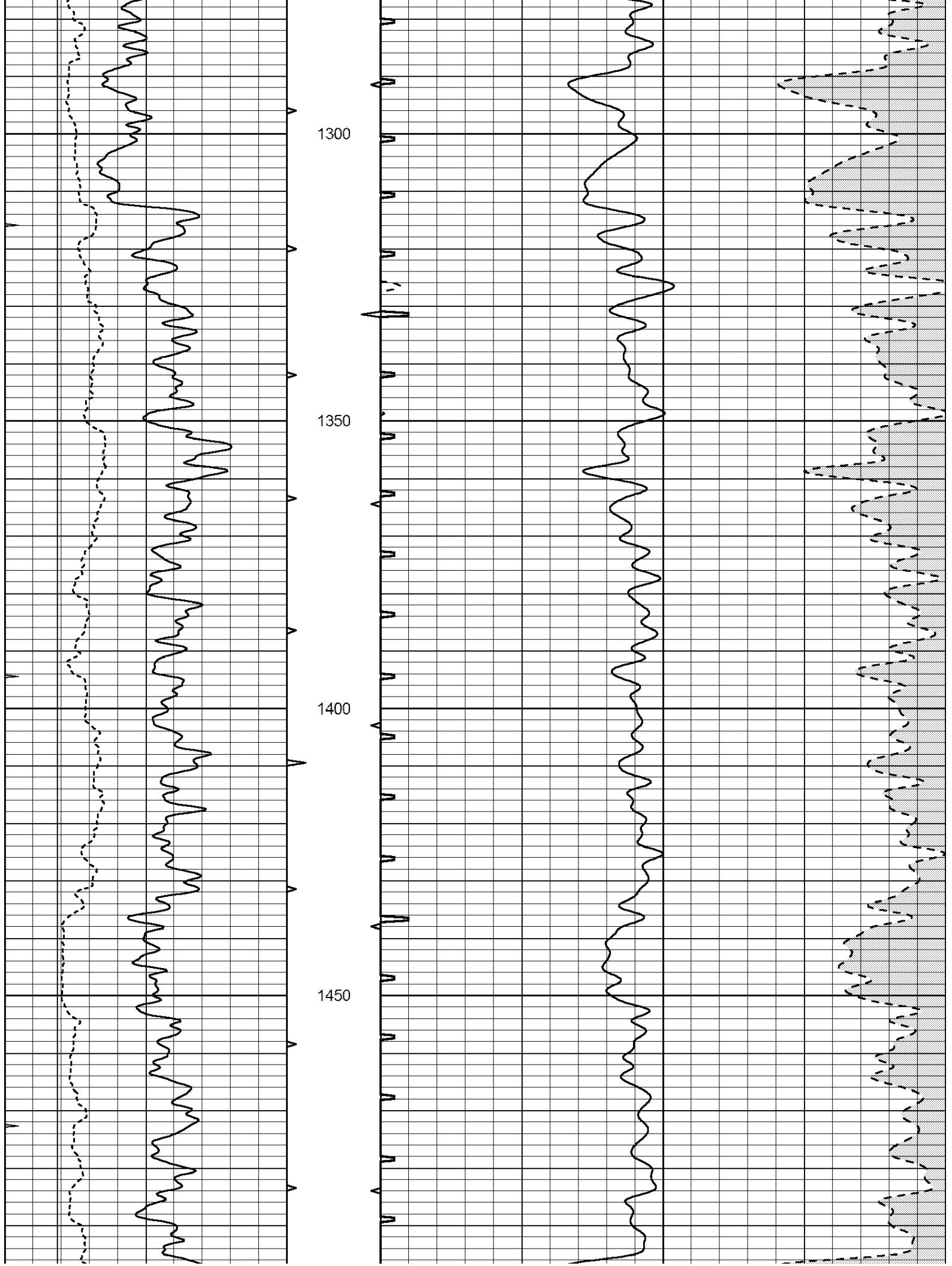


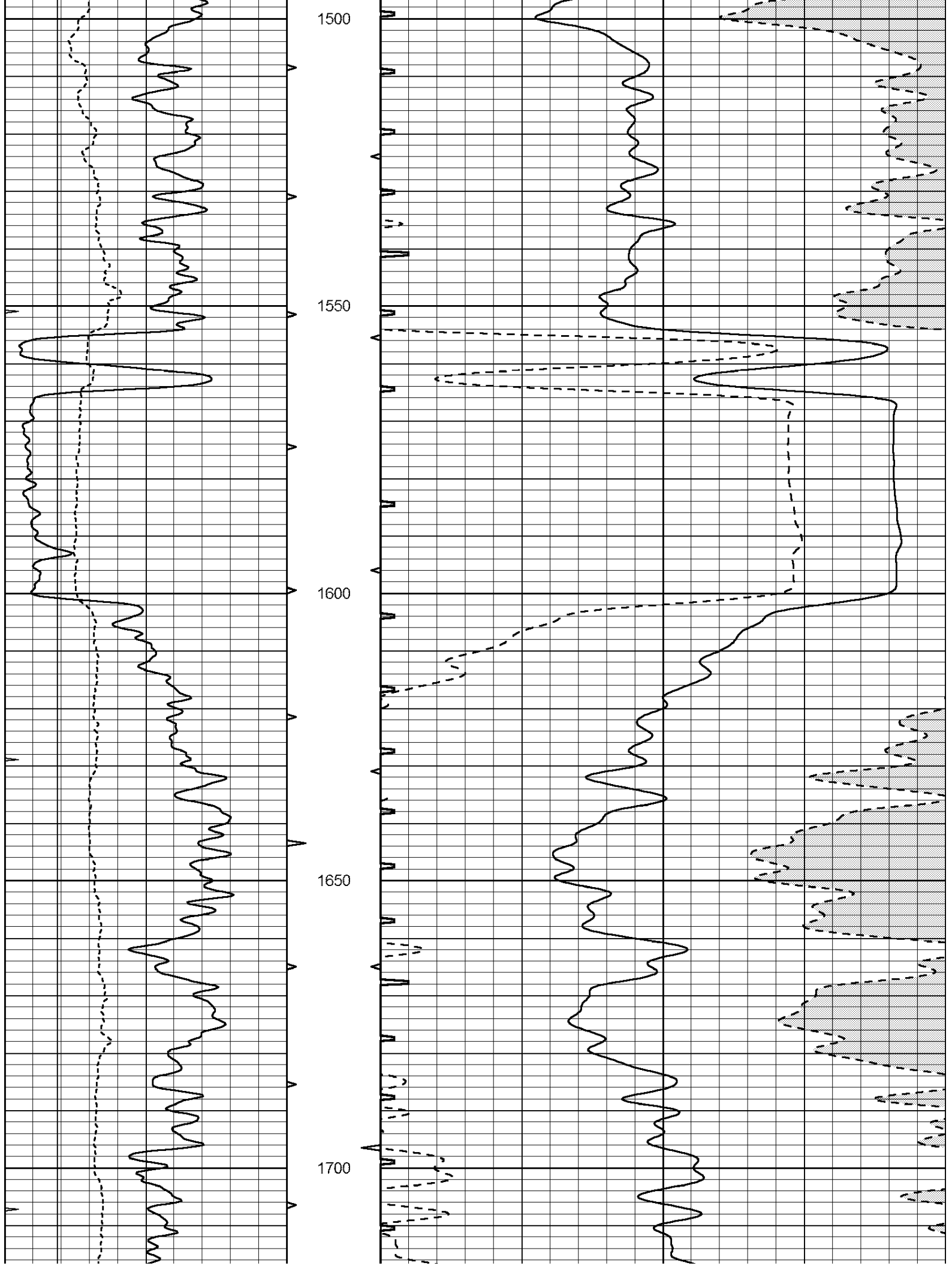


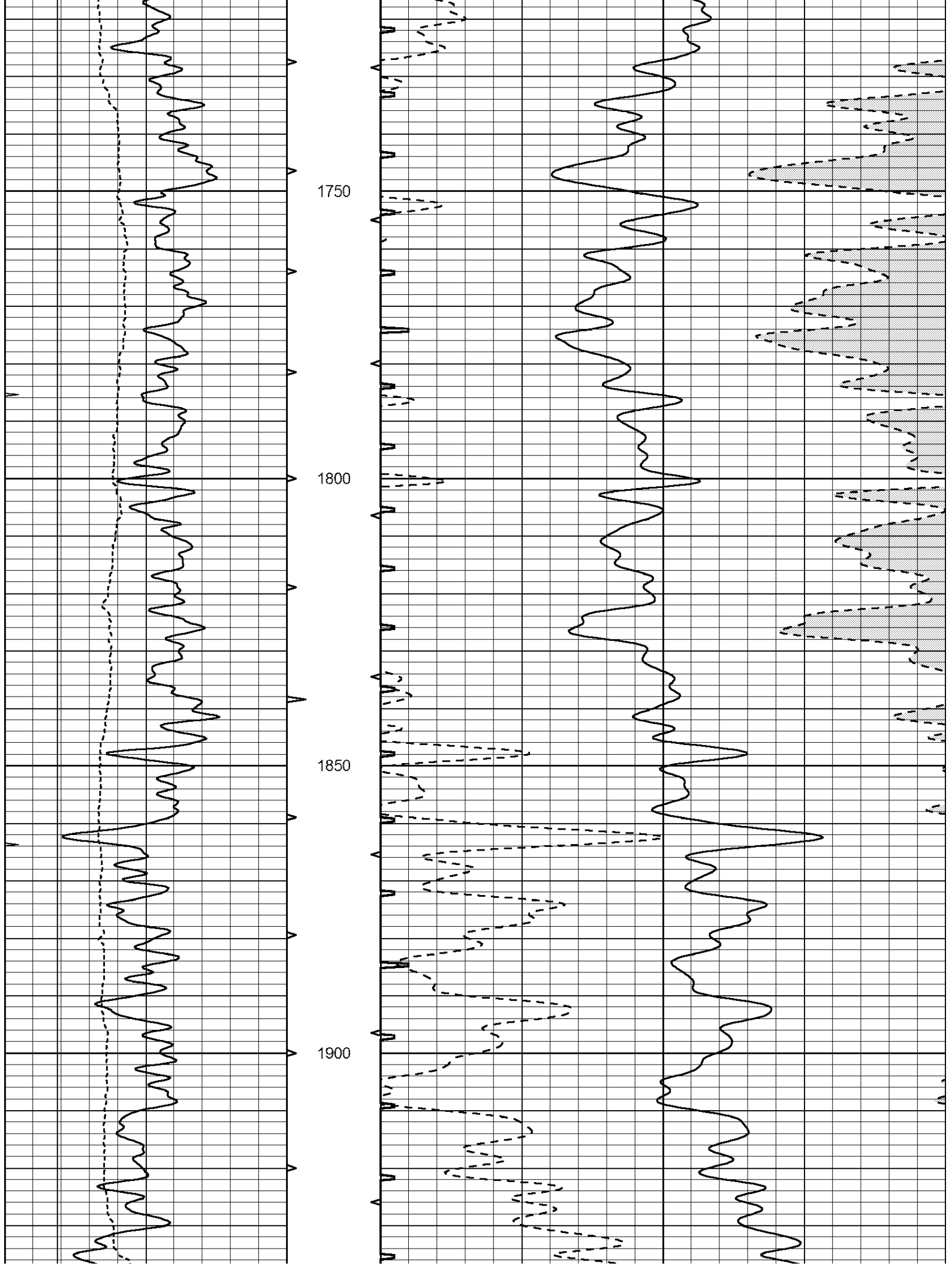


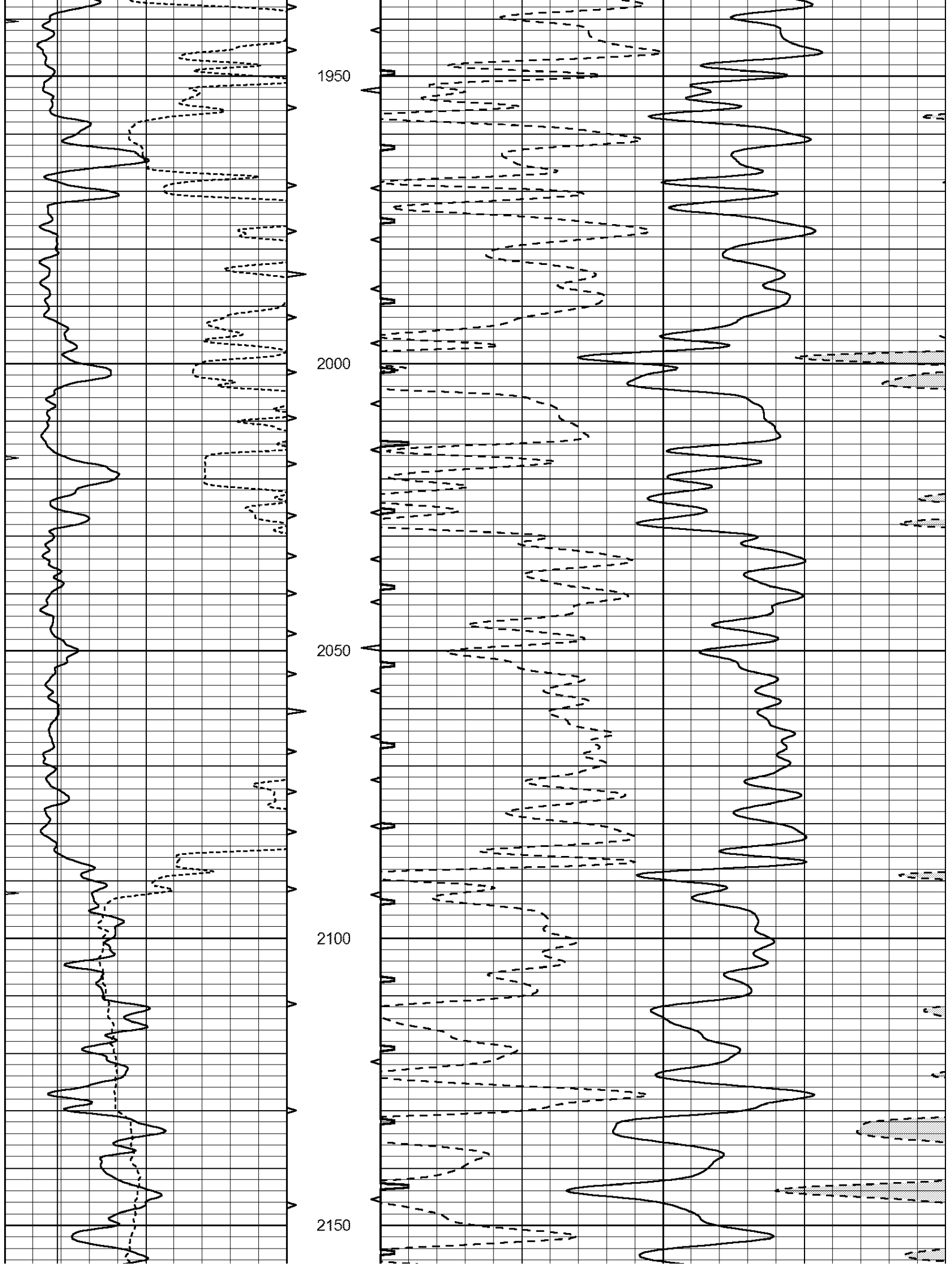


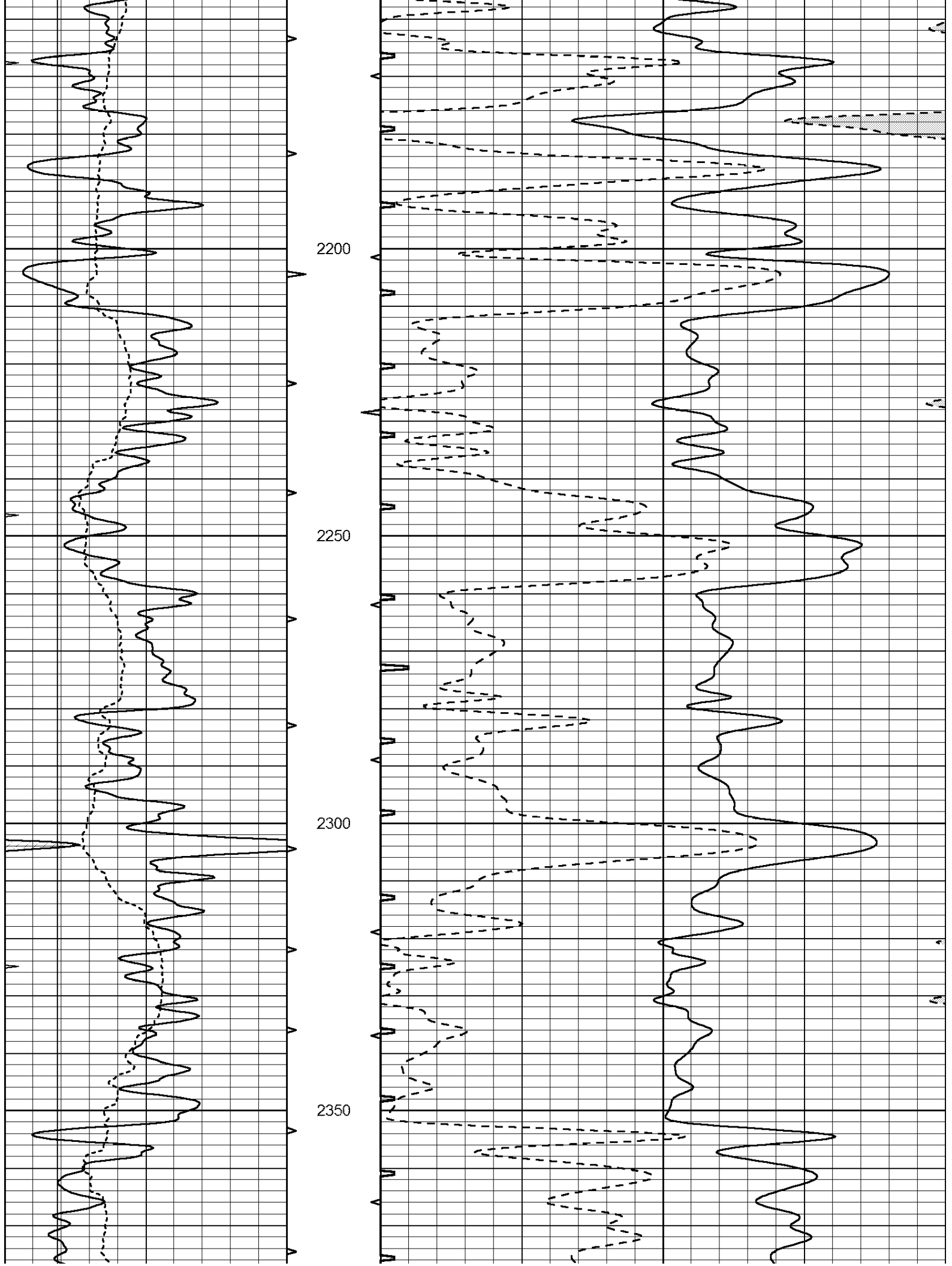


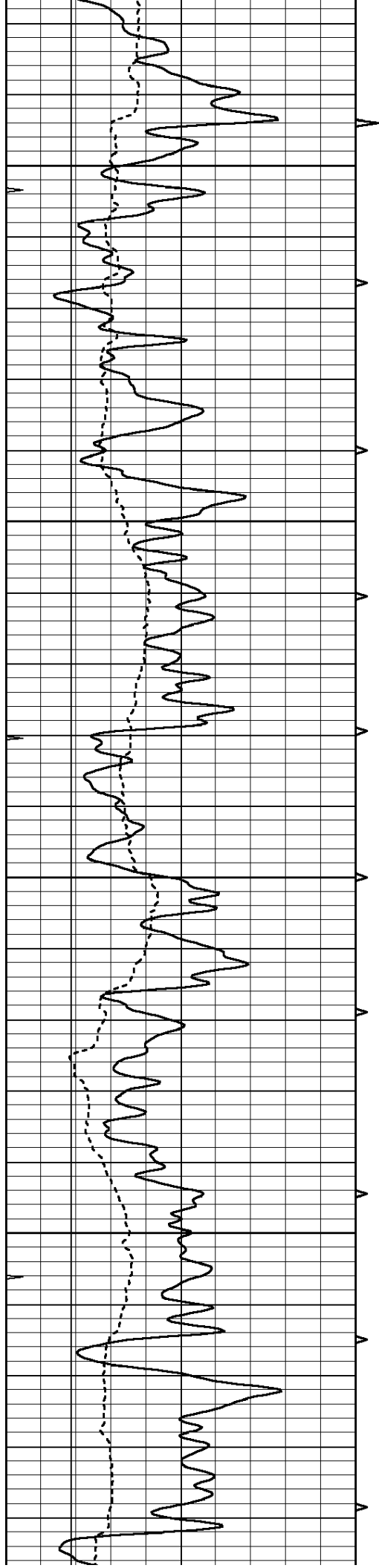










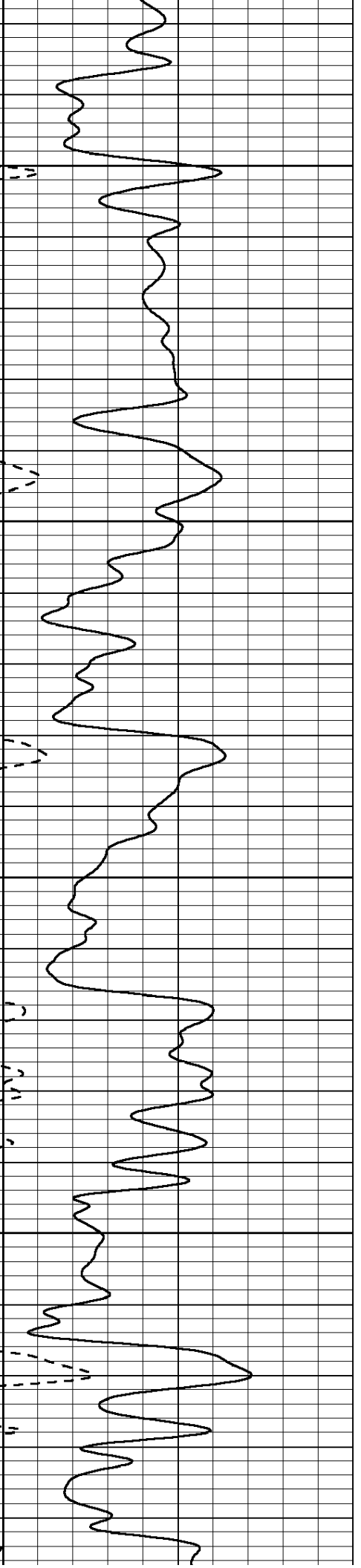
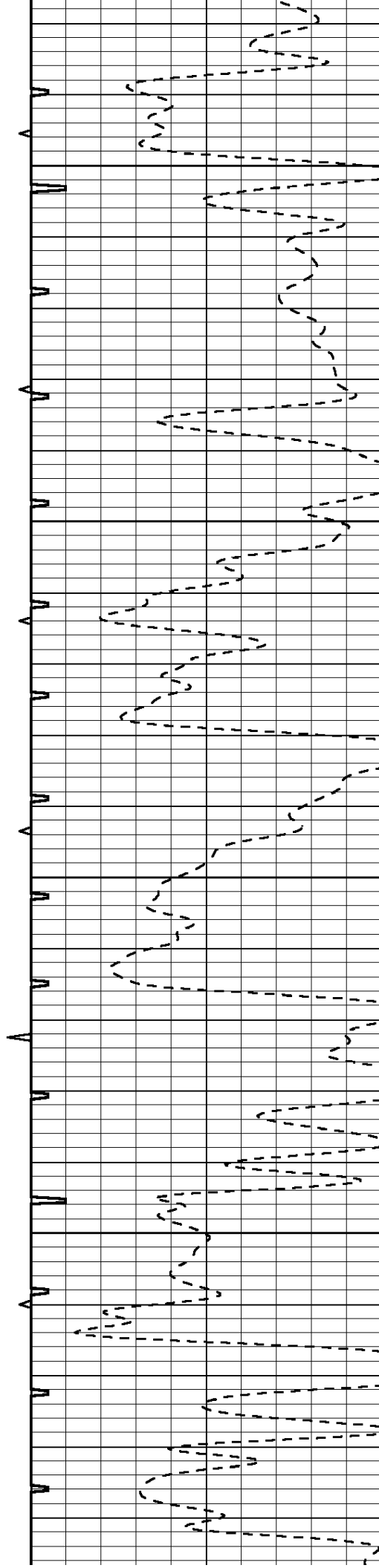


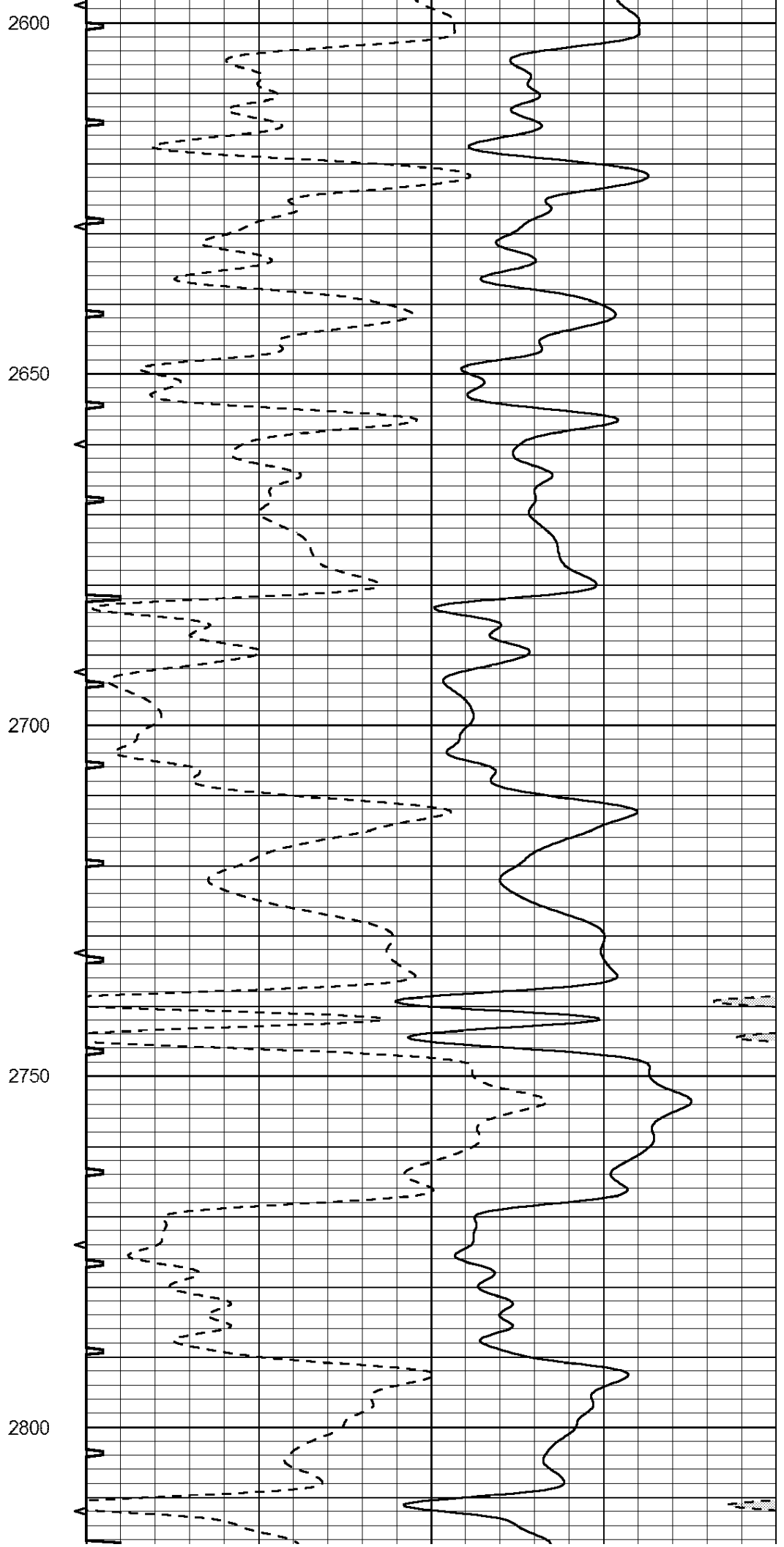
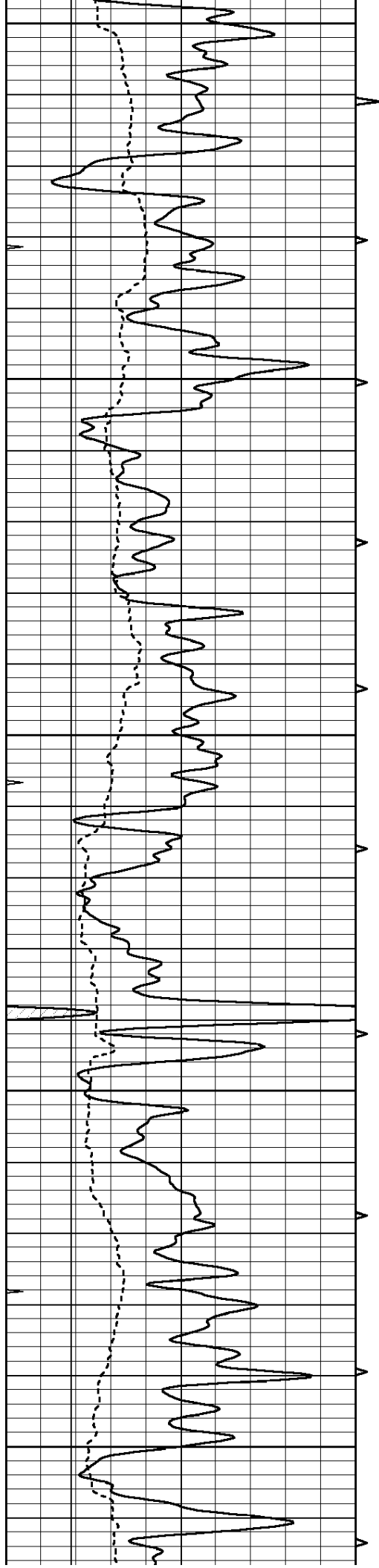
2400

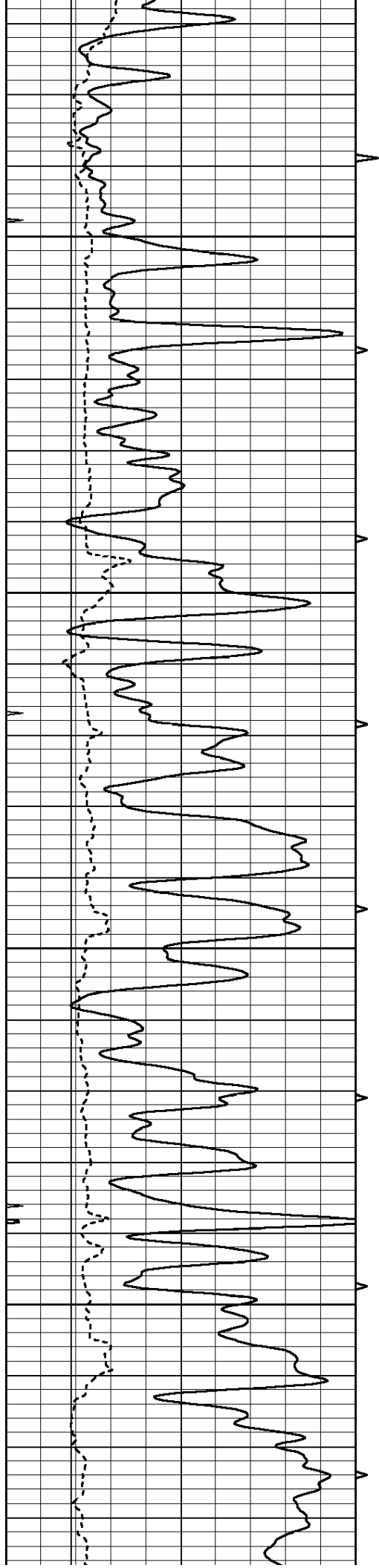
2450

2500

2550





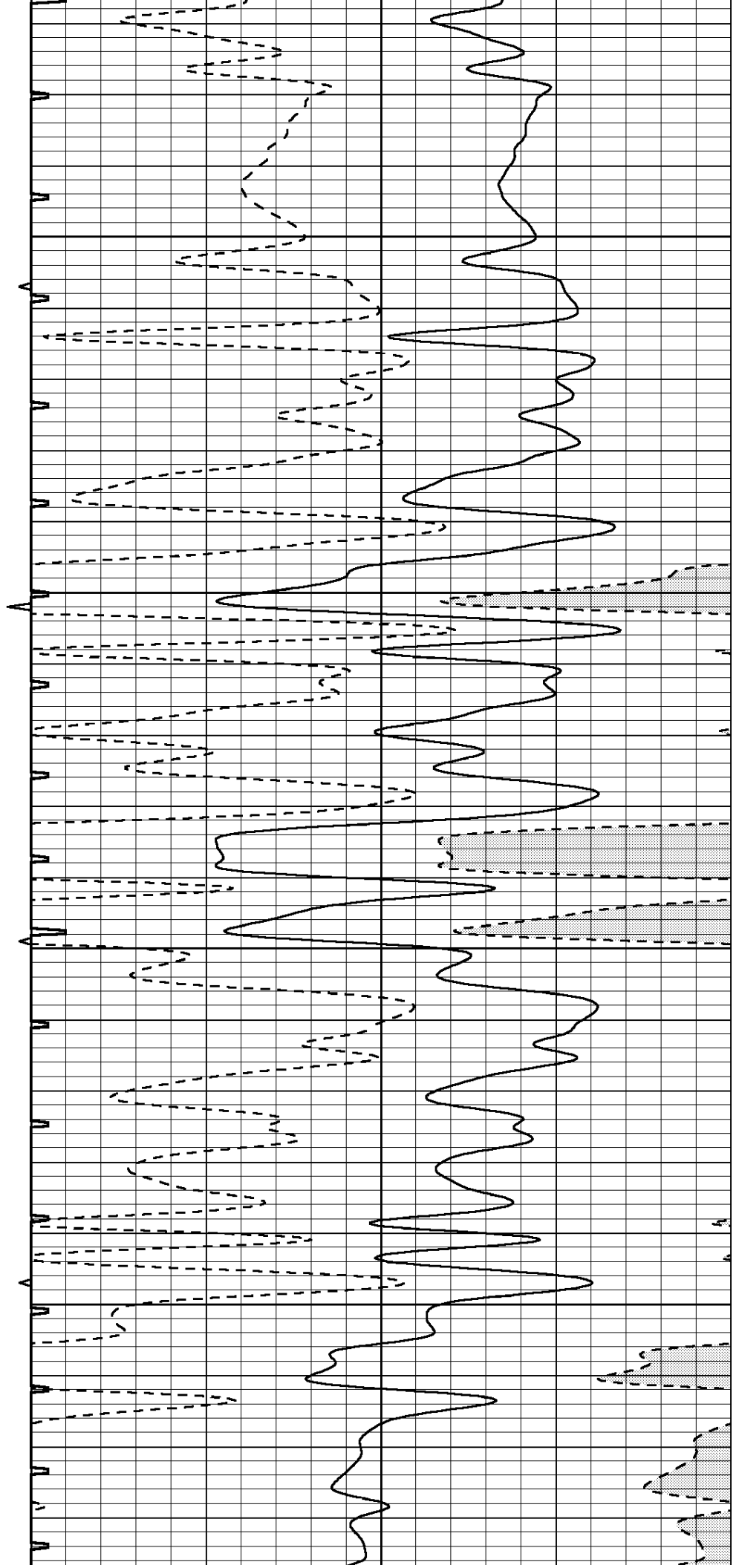


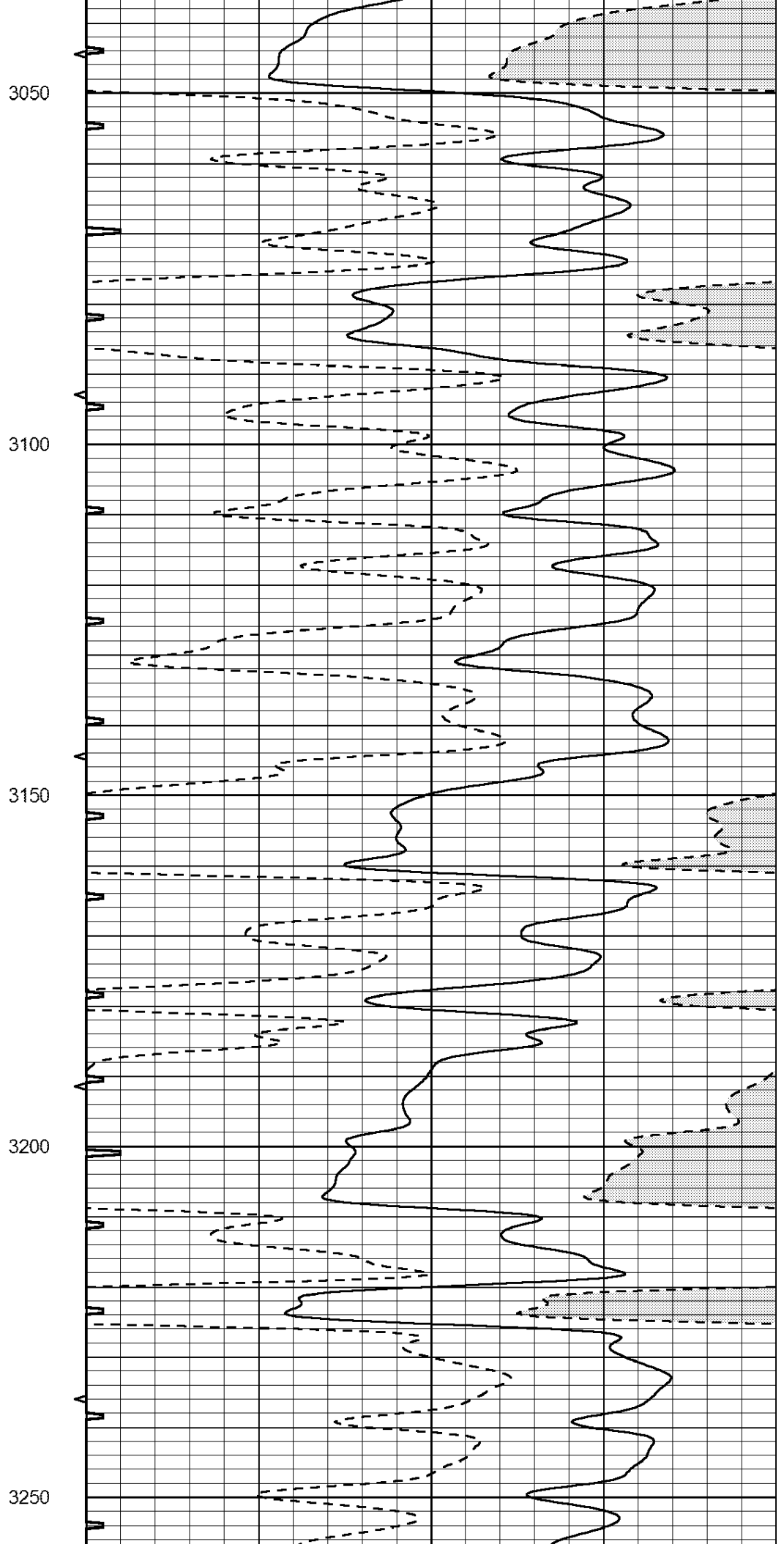
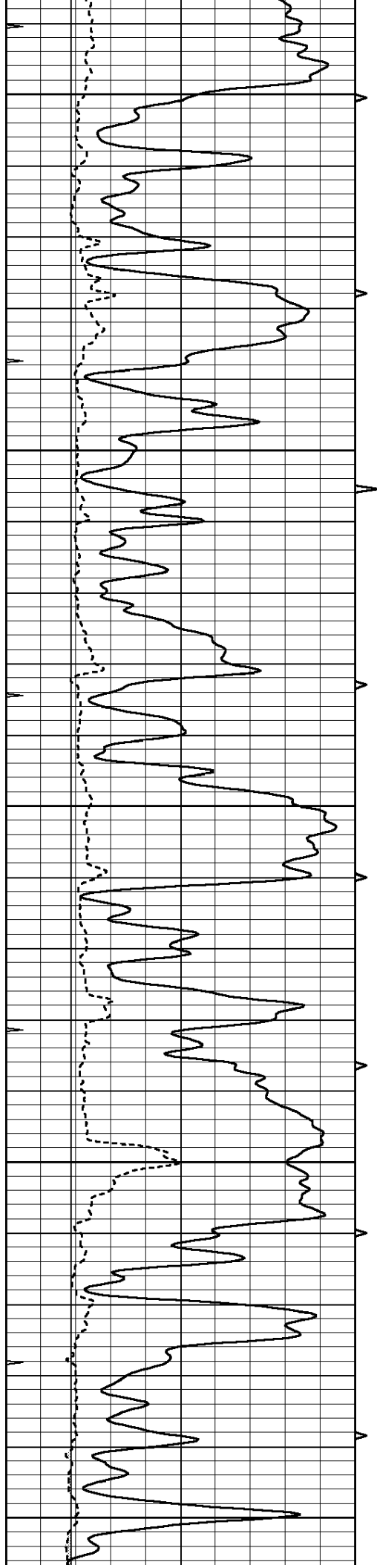
2850

2900

2950

3000





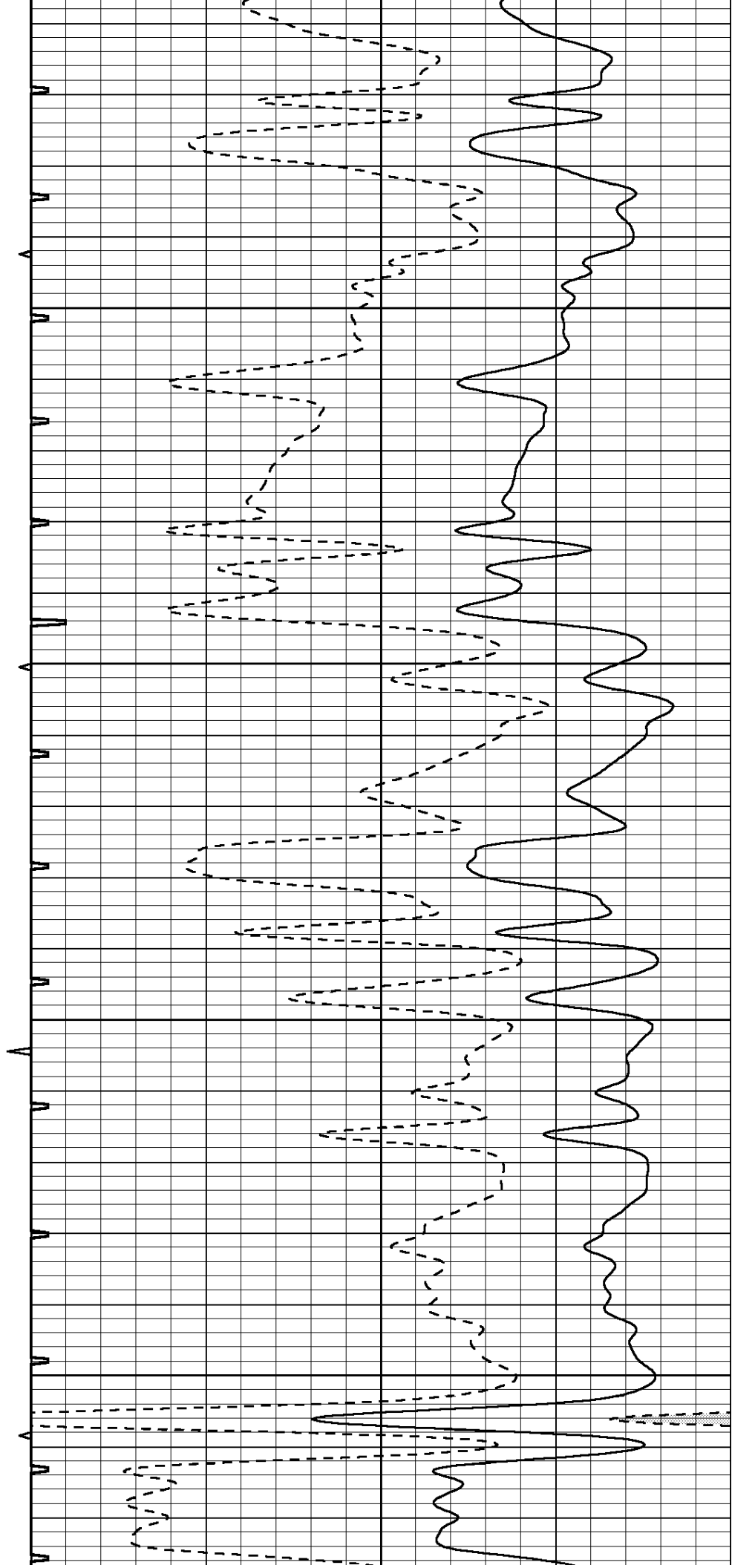


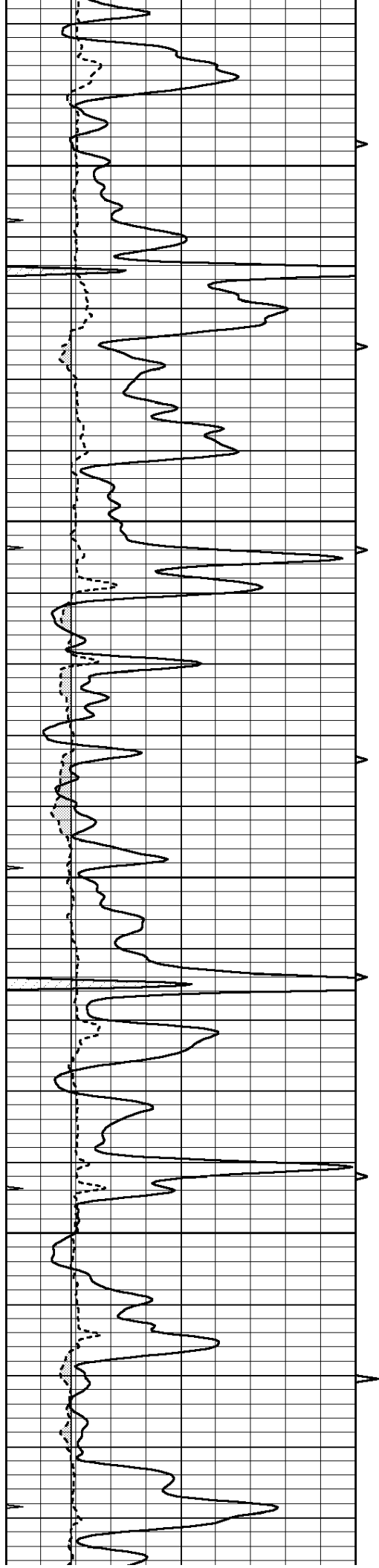
3300

3350

3400

3450



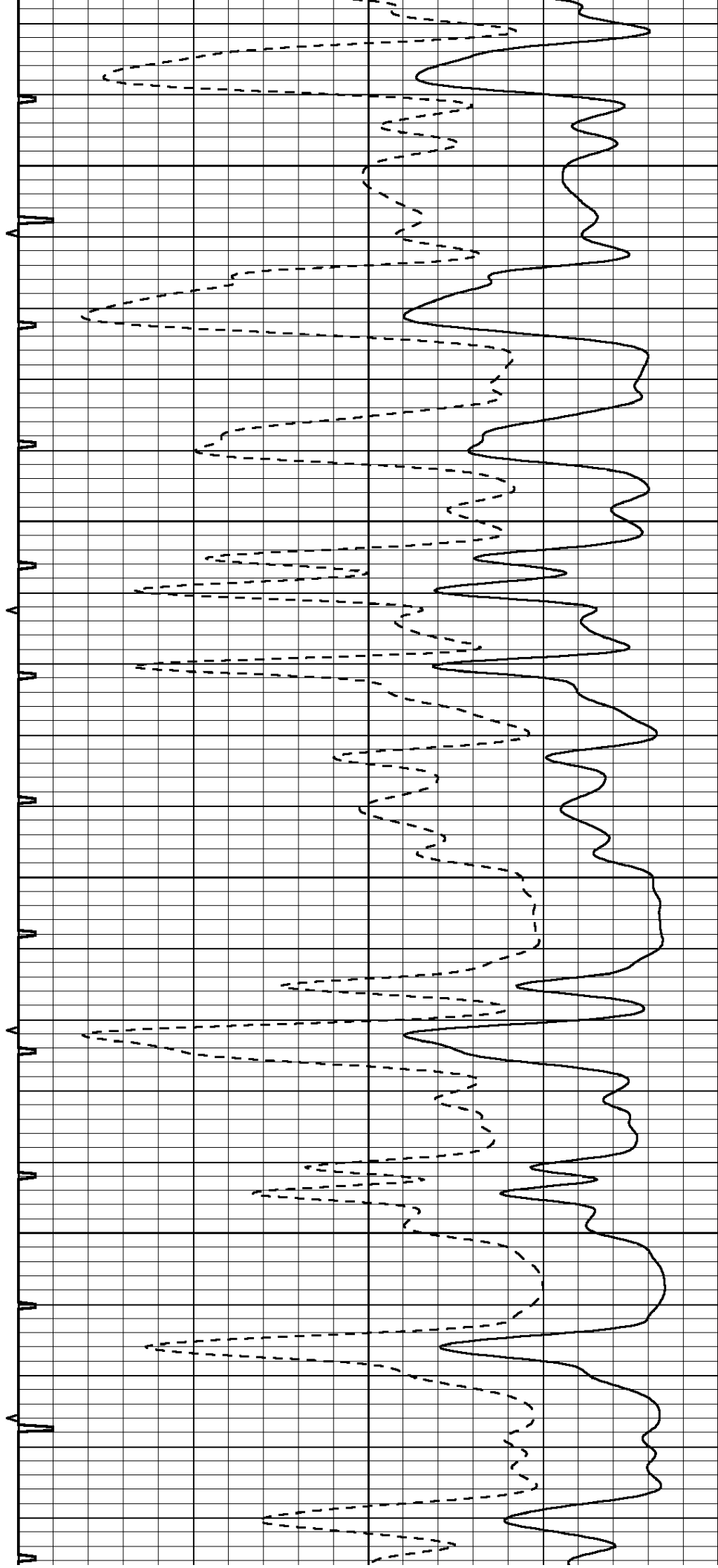


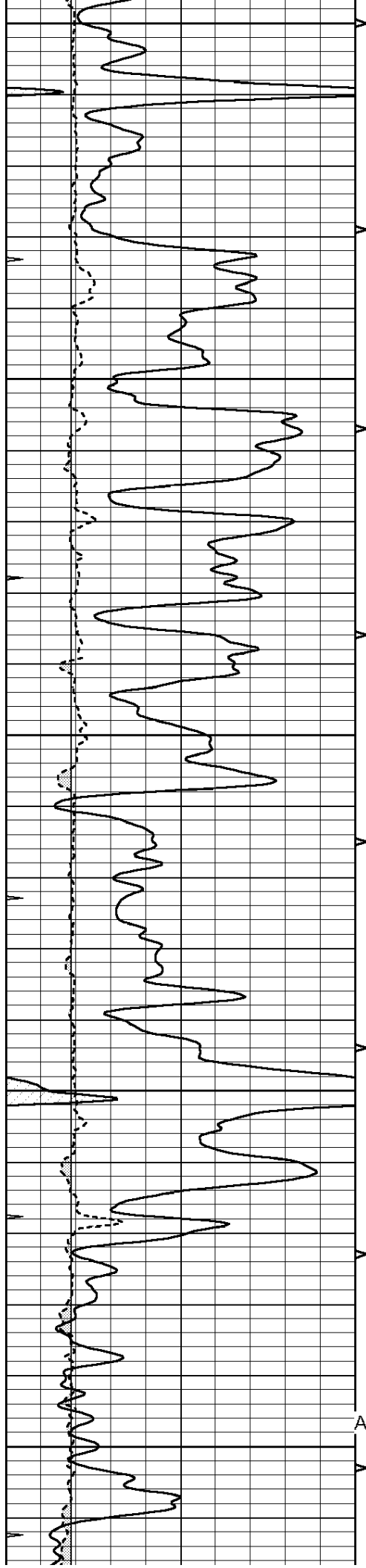
3500

3550

3600

3650





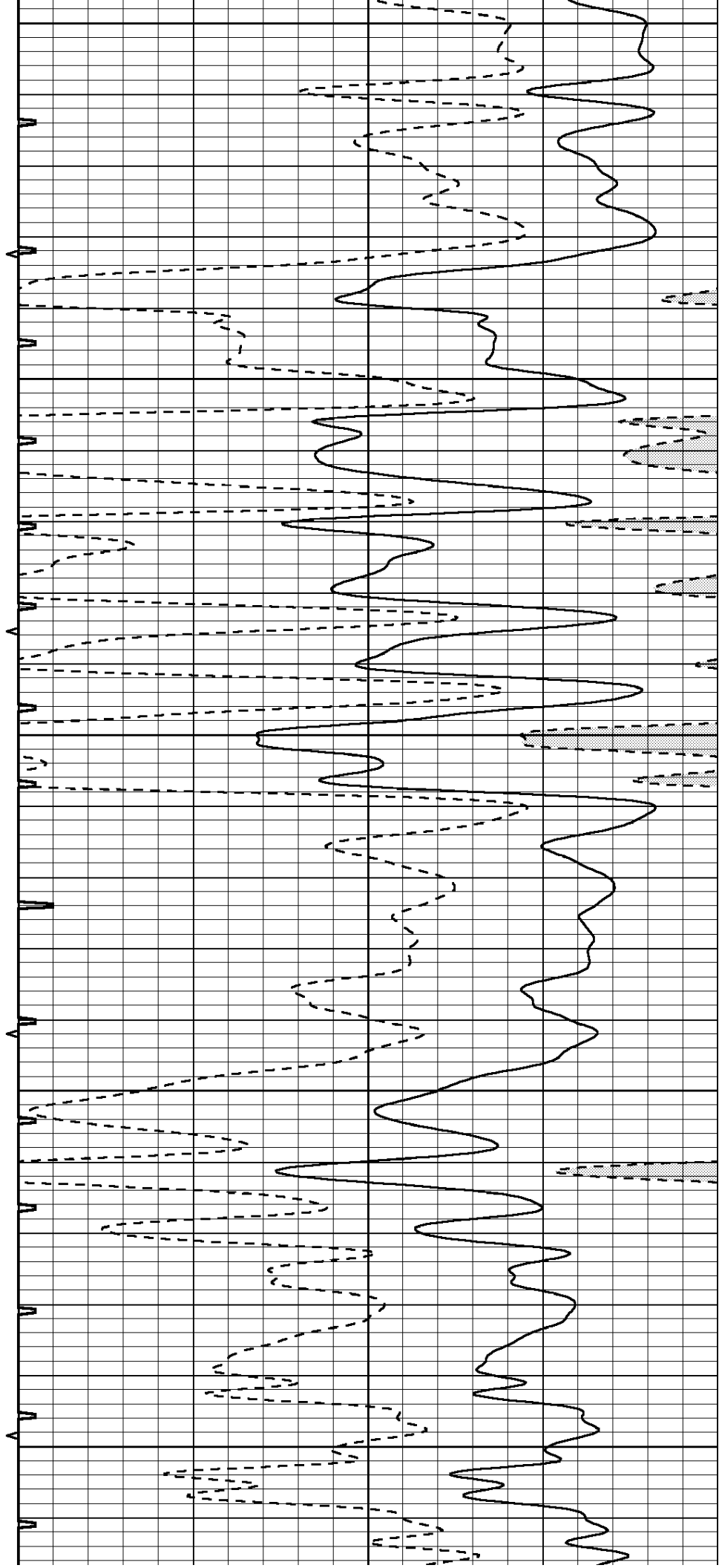
3700

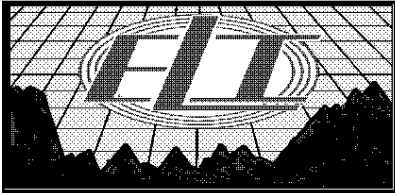
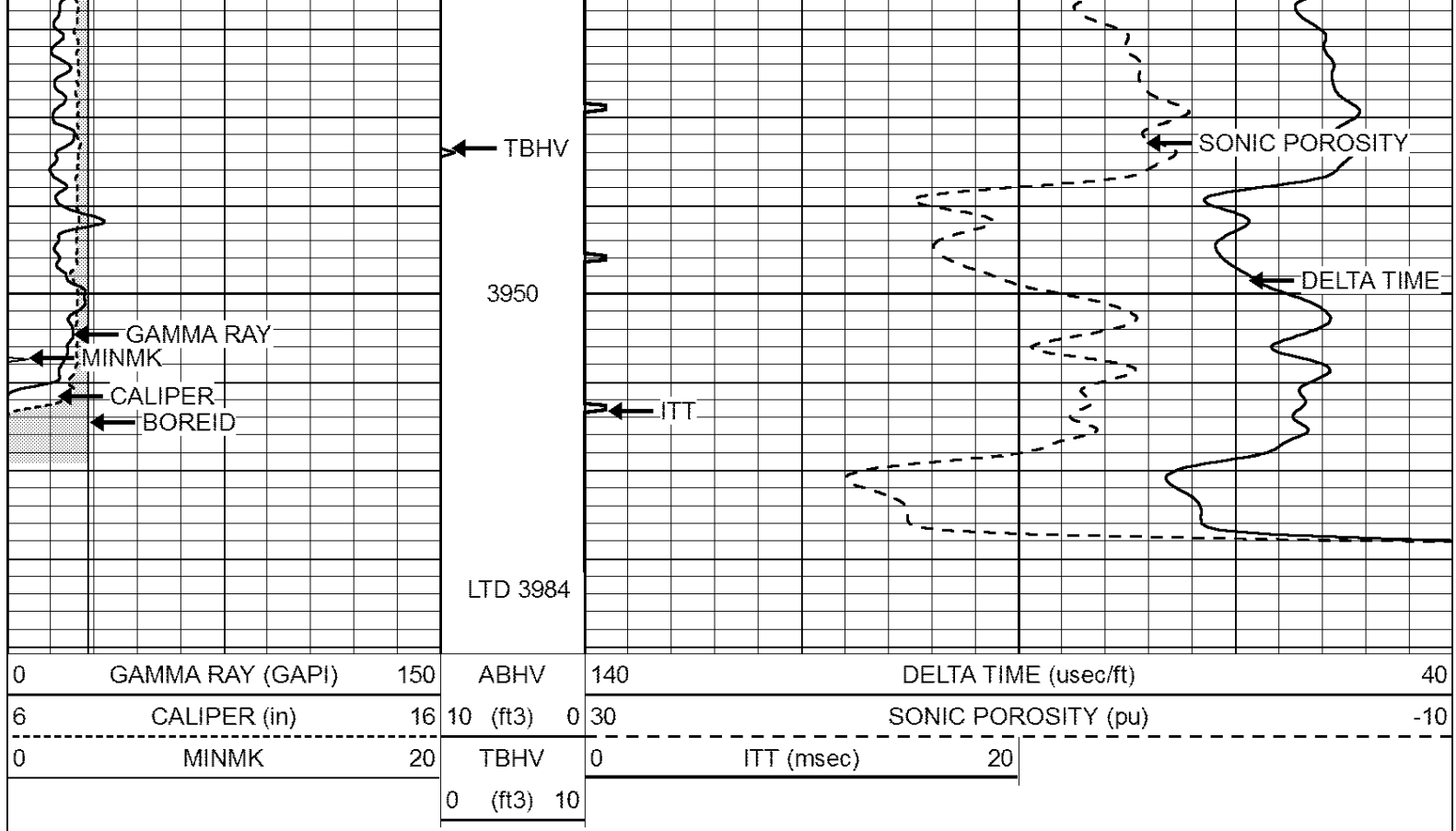
3750

3800

3850

ABHV →
3900

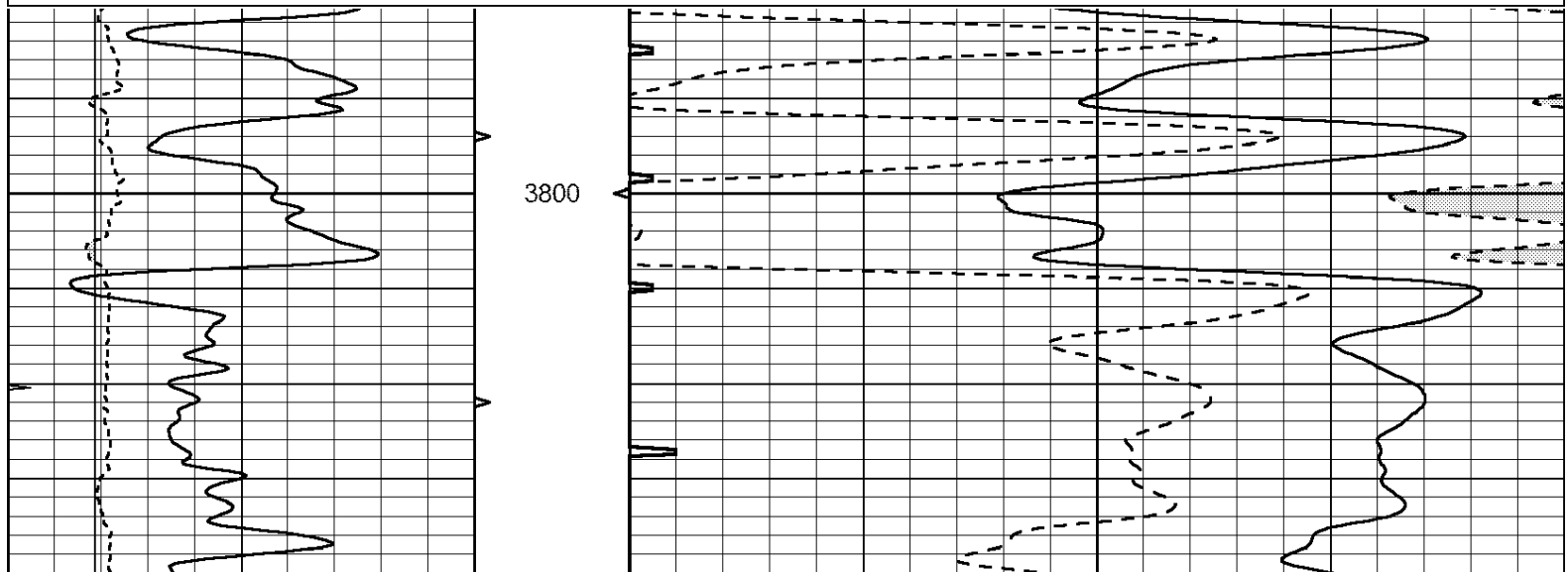


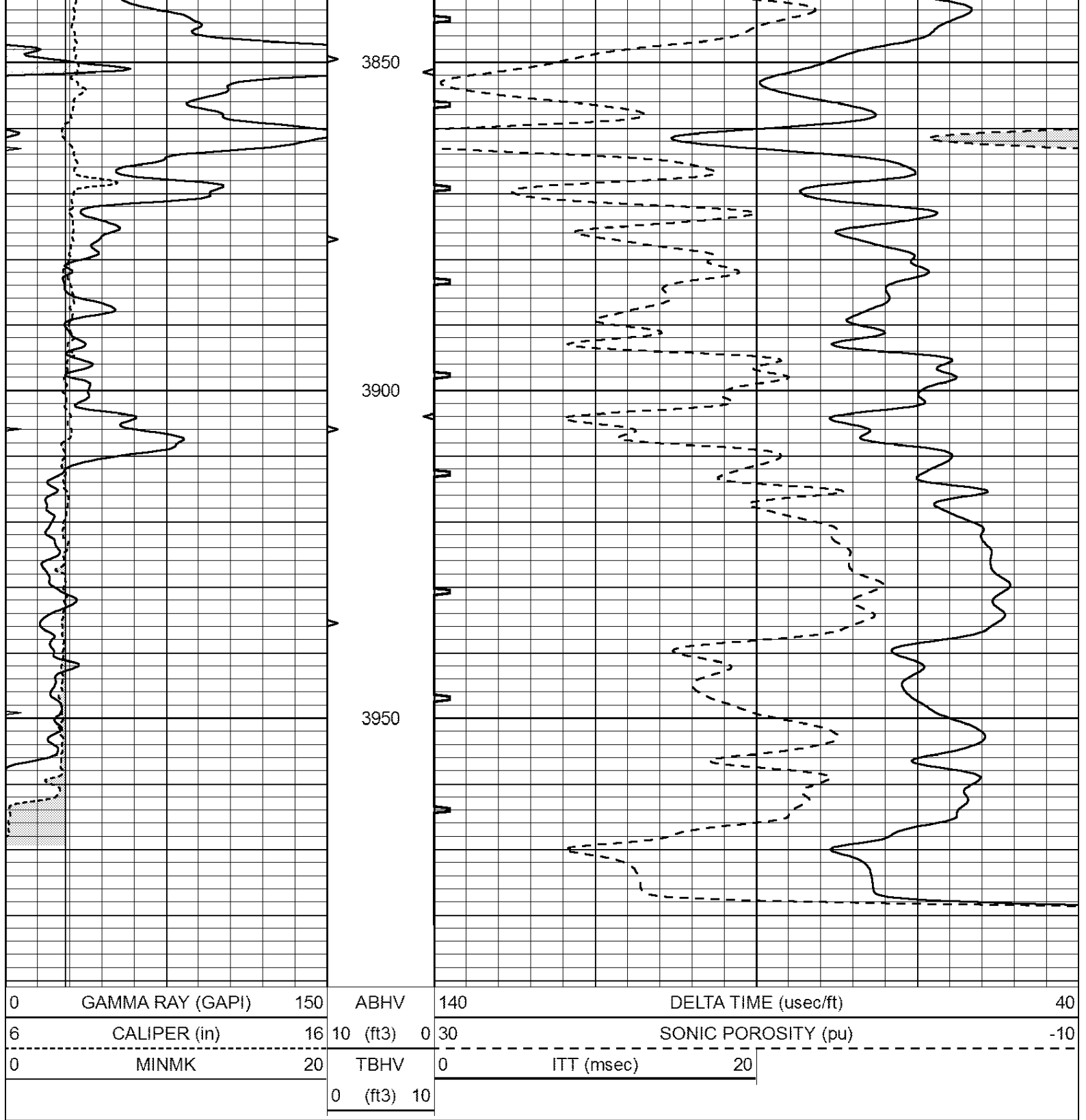


REPEAT SECTION

Database File: 2404ddn.db
 Dataset Pathname: pass4.1
 Presentation Format: _slt
 Dataset Creation: Thu Feb 01 08:42:26 2018 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3)	0 30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3)	10		





Calibration Report		
Database File:	2404ddn.db	
Dataset Pathname:	pass4.1	
Dataset Creation:	Thu Feb 01 08:42:26 2018 by Calc Open-Cased 090629	
MICRO Calibration Report		
Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Thu Feb 01 07:37:39 2018	
Caliper Calibration:	Gain=29.167	Offset=0.000

References	Low Cal 7.000	High Cal 14.000
Readings	0.240	0.480
1.5" Calibration:	Gain=32.075	Offset=-0.400
References	Low Cal 0.000	High Cal 20.000
Readings	0.004	1.196
2" Calibration:	Gain=45.000	Offset=-1.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.006	0.913
Gamma Ray Calibration Report		
Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Wed Aug 16 17:13:40 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3800	GAPI/cps